

### AMENDMENTS TO THE CLAIMS

1. (Original) A process for the manufacture of sulphur-containing fertilizers, the process comprising the steps of:
  - (a) bringing a liquid phase comprising elemental sulphur into contact with ammonia, phosphoric acid and water in a reactor unit to obtain an ammonium phosphate mixture, wherein the elemental sulphur is introduced into the reactor unit substantially at the same time as the other reactants;
  - (b) introducing the mixture obtained in step (a) into a granulator unit to obtain granules.
2. (Original) A process according to claim 1, wherein the granules obtained after step (b) are dried in a drying unit.
3. (Previously Presented) A process according to claim 2, wherein the reactor unit in step (a) is a pipe cross reactor unit or a preneutralizer.
4. (Currently Amended) A process according to claim 3, wherein the elemental sulphur is introduced as a slurry of sulphur particles in water, ~~the particle size of the sulphur particles preferably being between 0.5 and 150 microns, more preferably between 1.0 and 100 microns.~~
5. (Currently Amended) A process according to claim 4, wherein the elemental sulphur is introduced as molten sulphur, the temperature of the mixture ~~preferably~~ being kept above 113 °C.
6. (Previously Presented) A process according to claim 5, wherein the ammonia is anhydrous gaseous ammonia or a concentrated solution of ammonia in water.
7. (Previously Presented) A process according to claim 6, wherein a potassium salt and/or other plant nutrients has been added to the fines.

8. (Previously Presented) A process according to claim 7, wherein the elemental sulphur is biologically produced elemental sulphur.

Claims 9-12 (Canceled).

13. (New) A process according to claim 3, wherein the elemental sulphur is introduced as a slurry of sulphur particles in water, the particle size of the sulphur particles being between 0.5 and 150 microns.

14. (New) A process according to claim 13, wherein the elemental sulphur is introduced as molten sulphur, the temperature of the mixture being kept above 113 °C.

15. (New) A process according to claim 14, wherein the ammonia is anhydrous gaseous ammonia or a concentrated solution of ammonia in water.

16. (New) A process according to claim 15, wherein a potassium salt and/or other plant nutrients has been added to the fines.

17. (New) A process according to claim 16, wherein the elemental sulphur is biologically produced elemental sulphur.

18. (New) A process according to claim 3, wherein the elemental sulphur is introduced as a slurry of sulphur particles in water, the particle size of the sulphur particles being between 1.0 and 100 microns.

19. (New) A process according to claim 18, wherein the elemental sulphur is introduced as molten sulphur, the temperature of the mixture being kept above 113 °C.

20. (New) A process according to claim 19, wherein the ammonia is anhydrous gaseous ammonia or a concentrated solution of ammonia in water.

21. (New) A process according to claim 20, wherein a potassium salt and/or other plant nutrients has been added to the fines.

22. (New) A process according to claim 21, wherein the elemental sulphur is biologically produced elemental sulphur.